

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2004/001349

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: B65G 17/20, B65G 47/64

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: B65G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category ^a	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 4936222 A (MURAI), 26 June 1990 (26.06.1990), column 2, line 41 - column 3, line 12, figure 2	1,2,9
Y	column 2, line 41 - column 3, line 12 --	6
X	DE 19517832 C1 (MANNESMANN AG), 5 December 1996 (05.12.1996), figure 1	1,2,9
Y	figure 1 --	6
Y	US 3759190 A (HARVEY), 18 Sept 1973 (18.09.1973), figures 1,2, abstract --	6

 Further documents are listed in the continuation of Box C. See patent family annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *B* earlier application or patent but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

& document member of the same patent family

Date of the actual completion of the international search

12 January 2005

Date of mailing of the international search report

13-01-2005

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	SU 854825 B (CONVEVOR CONS DES), 17 August 1981 (17.08.1981), figure 1 —	1-10
A	US 5829575 A (WILLIAMS), 3 November 1998 (03.11.1998), column 2, line 36 - column 3, line 22, figures 1-2 — —	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

27/11/2004

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US	4936222	A	26/06/1990	JP	1139410	A	31/05/1989
				JP	1964682	C	25/08/1995
				JP	6084205	B	26/10/1994
DE	19517832	C1	05/12/1996		NONE		
US	3759190	A	18/09/1973		NONE		
SU	854825	B	17/08/1981		NONE		
US	5829575	A	03/11/1998		NONE		